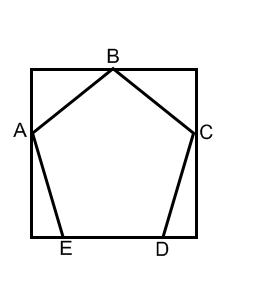
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**Homework 4.8 Part II**

1. *∆*PQR is equilateral, with *m*A = 5x – 8y and *m*C = 2x + 4y. Find the values of x and y.

2. ABCDE is a regular pentagon inscribed in a rectangle. Find the number of degrees in each of the angles of the triangles formed.



3. The measure of an exterior angle of a regular polygon is 2*x*, and the measure of an interior angle is 4*x*.

a. Find *x*. b. Find the measure of one interior and one exterior angle.

c. Find the number of sides in the polygon and the type of polygon.

4. Find the measure of angle Z.

